

## SEQUENCE LISTING

```
<110> Jenson, James C.
      Sworin, Michael
<120> INHIBITORS OF BINDING BETWEEN PROTEINS
  AND MACROMOLECULAR LIGANDS
<130> 2791.1003-007
<140> 10/082,815
<141> 2002-02-22
<150> PCT/US00/23346
<151> 2000-08-23
<150> 60/150,230
<151> 1999-08-23
<150> 60/150,318
<151> 1999-08-23
<150> 60/152,421
<151> 1999-09-03
<160> 22
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 12
<212> PRT
<213> Artificial Sequence
<223> Fragment of Monocyte Chemoattractant Protein-1
Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln
 1
<210> 2
<211> 12
<212> PRT
<213> Artificial Sequence
<223> Fragment of Monocyte Chemoattractant Protein-1
<400> 2
Glu Ile Cys Leu Asp Pro Lys Gln Lys Trp Ile Gln
 1
                 5
<210> 3
<211> 24
```

```
<212> PRT
<213> Artificial Sequence
<220>
<223> Fragment of Monocyte Chemoattractant Protein-1
Ala Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser
                                     10
Tyr Arg Arg Ile Thr Ser Ser Lys
            20
<210> 4
<211> 26
<212> PRT
<213> Artificial Sequence
<223> Disulfide cyclized fragments of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 2
      and 26
<400> 4
Ala Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala
Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys
            20
<210> 5
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide Cyclized Fragments of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 2
      and 21; an dpositions 10 and 13.
Tyr Cys Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr
                                     10
Arg Arg Ile Thr Cys Ser Lys
            20
<210> 6
<211> 35
<212> PRT
<213> Artificial Sequence
<220>
<223> N-terminus fragment of the Monocyte
      Chemoattractant Protein-1 Receptor CCR2 .
```

```
<400> 6
Leu Ser Thr Ser Arg Ser Arg Phe Ile Arg Asn Thr Asn Glu Ser Gly
Glu Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys His
                                 25
Lys Phe Asp
        35
<210> 7
<211> 14
<212> PRT
<213> Artificial Sequence
<220>
<223> N-terminus fragment of the Monocyte
      Chemoattractant Protein-1 Receptor CCR2.
      One or both tyrosines at positions 8 and 10 are
      optionally phosphorylated or sulfated.
<400> 7
Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys
<210> 8
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> Fragment of viral chemokine US28.
      The tyrosine at position 8 is optionally
      phosphorylated or sulfated.
Glu Leu Thr Thr Glu Phe Asp Tyr Asp Asp Glu Ala Thr Pro Cys
                 5
                                                         15
<210> 9
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223> Fragment of the Interleukin-8 Receptor CXCR1
Pro Pro Ala Asp Glu Asp Tyr Ser Pro
1
                 5
```

<210> 10

```
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Fragment of Monocyte Chemoattractant Protein-1
<400> 10
Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr
Arg Arg Ile Thr Ser Ser Lys
<210> 11
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 10
      and 13.
Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr
                                     10
Arg Arg Ile Thr Ser Ser Lys
            20
<210> 12
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 10
      and 18.
<400> 12
Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Leu Ala Ser Cys
Arg Arg Ile Thr Ser Ser Lys
            20
<210> 13
<211> 23
<212> PRT
<213> Artificial Sequence
<223> Fragment of Monocyte Chemoattractant Protein-1
```

```
<400> 13
Tyr Asn Phe Lys Asn Arg Lys Glu Ser Val Gln Arg Leu Ala Ser Tyr
1
Arg Arg Ile Thr Ser Ser Lys
            20
<210> 14
<211> 23
<212> PRT
<213> Artificial Sequence
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 2
<400> 14
Tyr Cys Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr
Arg Arg Ile Thr Cys Ser Lys
            20
<210> 15
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 2
      and 21; and positions 10 and 16.
<400> 15
Tyr Cys Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Leu Ala Ser Cys
                 5
                                     10
 1
Arg Arg Ile Thr Cys Ser Lys
            20
<210> 16
<211> 19
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 6
      and 9.
Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr Arg Arg Ile Thr
```

6/7

```
10
                                                         15
1
Ser Ser Lys
<210> 17
<211> 18
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 10
      and 13.
<400> 17
Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr
Arg Arg
<210> 18
<211> 14
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 4
      and 9.
Asn Arg Lys Cys Ser Val Gln Arg Cys Ala Ser Tyr Arg Arg
                 5
<210> 19
<211> 14
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 6
      and 12.
<400> 19
Asn Arg Lys Ile Ser Cys Gln Arg Leu Ala Ser Cys Arg Arg
 1
```

<210> 20

```
<211> 14
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
     Disulfide bond between cysteines at positions 4
     and 12.
<400> 20
Asn Arg Lys Cys Ser Val Gln Arg Leu Ala Ser Cys Arg Arg
                 5
<210> 21
<211> 18
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
     Disulfide bond between cysteines at positions 10
      and 13.
Tyr Asn Phe Thr Asn Ala Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr
                                    10
Arg Arg
<210> 22
<211> 18
<212> PRT
<213> Artificial Sequence
<220>
<223> Disulfide cycylized fragment of Monocyte
      Chemoattractant Protein-1
      Disulfide bond between cysteines at positions 10
      and 13.
<400> 22
Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Ala Cys Ala Ser Tyr
1
Arg Arg
```